



SEQUENCE LISTING

<110> Lyon, Jeffrey A.
 Angov, Evelina

 <120> Isolation and Purification of *P. falciparum* Merozoite
 Protein-1₄₂ Vaccine

 <130> 003/241/SAP

 <140> US 10/057,531

 <141> 2002-01-25

 <150> US 60/264,535, US 60/347,564

 <151> 2001-01-26, 2001-10-26

 <160> 12

 <170> Apple Macintosh Microsoft Word 6.0

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Glu	Trp	Cys	Gly	Pro	Cys	Lys	Met	Ile	Ala	35	40	
Pro	Ile	Leu	Asp	Glu	Ile	Ala	Asp	Glu	Tyr	45	50	
Gln	Gly	Lys	Leu	Thr	Val	Ala	Lys	Leu	Asn	55	60	
Ile	Asp	Gln	Asn	Pro	Gly	Thr	Ala	Pro	Lys	65	70	
Tyr	Gly	Ile	Arg	Gly	Ile	Pro	Thr	Leu	Leu	75	80	
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Lys	Val	Gly	Ala	Leu	Ser	Lys	Gly	Gln	Leu			

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Ser	Gly	Ser	Gly	His	Met	His	His	His	His
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Ser	Gly	Met	Lys	Glu	Thr	Ala	Ala	Ala	Lys
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Val	Ile	Tyr	Leu	Lys	Pro	Leu	Ala	Gly	Val
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Lys	Ser	Tyr	Lys	Tyr	Ile	Lys	Glu	Ser	Val
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Ala	Lys	Thr	Asp	Glu	Gln	Lys	Lys	Glu	Ser
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Lys	Phe	Leu	Pro	Phe	Leu	Thr	Asn	Ile	Glu
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Thr	Leu	Tyr	Asn	Asn	Leu	Val	Asn	Lys	Ile
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Pro	Leu	Ala	Gly	Val	Tyr	Arg	Ser	Leu	Lys
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Pro	Phe	Leu	Thr	Asn	Ile	Glu	Thr	Leu	Tyr	
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Asn	Asn	Gly	Gly	Cys	Asp	Ala	Asp	Ala	Thr	
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aatgaatata ttattgaaga ttcatttaaa ttattgaatt 280
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ttaaaataac taaacttagt gatttaaaaag caattgatga 680
caaaatagat cttttttaaaa accctaccga cttcgaagca 720
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aaaataatgg tggatgtgat gcagatgcca catgtaccga 1040
agaagattca ggtagcagca gaaagaaaat cacatgtgaa 1080
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Pro	Thr	Thr	Pro	Pro	Ser	Pro	Ala	Lys	Thr	
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Asp	Glu	Gln	Lys	Lys	Glu	Ser	Lys	Phe	Leu	
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Pro	Phe	Leu	Thr	Asn	Ile	Glu	Thr	Leu	Tyr	
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Leu	Ile	Asn	Leu	Lys	Ala	Lys	Ile	Asn	Asp	
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Cys	Asn	Val	Glu	Lys	Asp	Glu	Ala	His	Val	
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Lys	Ile	Thr	Lys	Leu	Ser	Asp	Leu	Lys	Ala	
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Ile	Phe	Pro	Asn	Thr	Ile	Ile	Ser	Lys	Leu	
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Ile	Glu	Gly	Lys	Phe	Gln	Asp	Met	Leu	Asn	
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Val Glu Asn Pro Asn Pro Thr Cys Asn Glu
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345 350
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<212> DNA

<213> Artificial sequence

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<223> *E. coli* expressed *P. falciparum* MSP-1₄₂ (3D7)

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ataaaagaat cagtagaaaa tgatattaaa tttgcacagg 400
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Arg	Leu	Lys	Lys	Arg	Lys	Tyr	Phe	Leu	Asp	
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Thr	Pro	Pro	Ser	Pro	Ala	Lys	Thr	Asp	Glu	
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Gln	Lys	Lys	Glu	Ser	Lys	Phe	Leu	Pro	Phe	
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Leu	Thr	Asn	Ile	Glu	Thr	Leu	Tyr	Asn	Asn	
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Leu	Val	Asn	Lys	Ile	Asp	Asp	Tyr	Leu	Ile	
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Asn	Leu	Lys	Ala	Lys	Ile	Asn	Asp	Cys	Asn	
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Val	Glu	Lys	Asp	Glu	Ala	His	Val	Lys	Ile	
				225					230	
Thr	Lys	Leu	Ser	Asp	Leu	Lys	Ala	Ile	Asp	
				235					240	
Asp	Lys	Ile	Asp	Leu	Phe	Lys	Asn	Pro	Tyr	
				245					250	
Asp	Phe	Glu	Ala	Ile	Lys	Lys	Leu	Ile	Asn	
				255					260	
Asp	Asp	Thr	Lys	Lys	Asp	Met	Leu	Gly	Lys	
				265					270	
Leu	Leu	Ser	Thr	Gly	Leu	Val	Gln	Asn	Phe	
				275					280	
Pro	Asn	Thr	Ile	Ile	Ser	Lys	Leu	Ile	Glu	
				285					290	
Gly	Lys	Phe	Gln	Asp	Met	Leu	Asn	Ile	Ser	
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Gln	His	Gln	Cys	Val	Lys	Lys	Gln	Cys	Pro	
				305					310	
Glu	Asn	Ser	Gly	Cys	Phe	Arg	His	Leu	Asp	
				315					320	
Glu	Arg	Glu	Glu	Cys	Lys	Cys	Leu	Leu	Asn	
				325					330	
Tyr	Lys	Gln	Glu	Gly	Asp	Lys	Cys	Val	Glu	
				335					340	
Asn	Pro	Asn	Pro	Thr	Cys	Asn	Glu	Asn	Asn	
				345					350	
Gly	Gly	Cys	Asp	Ala	Asp	Ala	Thr	Cys	Thr	
				355					360	
Glu	Glu	Asp	Ser	Gly	Ser	Ser	Arg	Lys	Lys	
				365					370	
Ile	Thr	Cys	Glu	Cys	Thr	Lys	Pro	Asp	Ser	
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Tyr	Pro	Leu	Phe	Asp	Gly	Ile	Phe	Cys	Ser	
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Ser

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